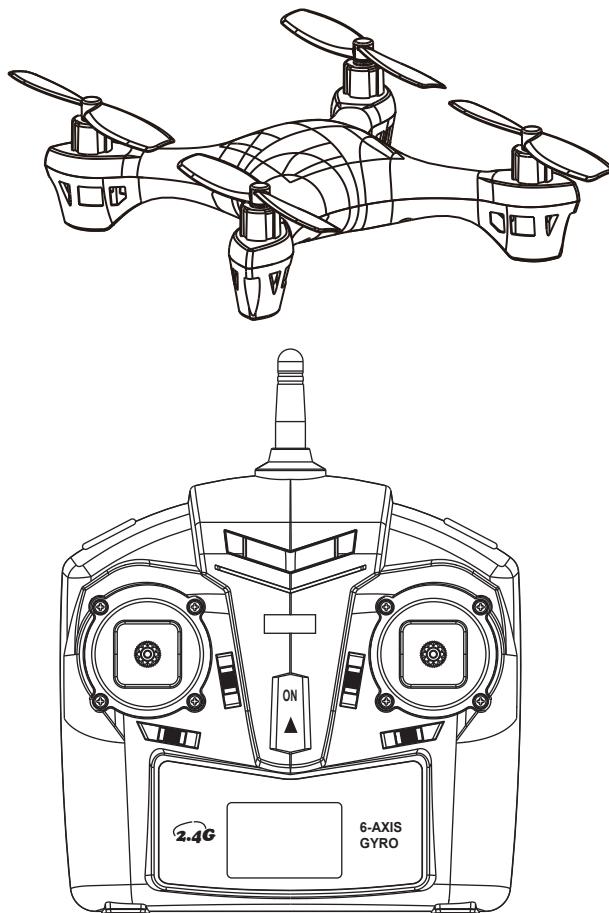


**High performance multicopters for rc enthusiasts**

# **MINI FAIRY**

## **USER MANUAL**



Due to continuing improvements, actual product may differ slightly from the product described herein

## Preamble

Thank you for purchasing a mini fairy . It is important that you read the entire manual to become familiar with the unit before you begin to fly. Save the receipt, warranty and these instructions.

## The Meaning Of Symbols And Signal Words

 <b>WARNING</b>	Mishandling Due To Failure To Follow These Instructions May Result In Severe Injury Or Death.
 <b>CAUTION</b>	Mishandling Due To Failure To Follow These Instructions May Result In Serious Harm.
 <b>FORBIDDEN</b>	Do Not Attempt Under Any Circumstances.

## IMPORTANT NOTES

This copter is suitable for people of 8 years and older, it is not a toy! Please read this manual thoroughly before using and make sure to be conscious of your own personal safety and the safety of others and your environment when operation or the use of this copter. Manufacturer and seller assume no liability for the operation or the use of this model. Intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we can not maintain any control over its operation or usage.

## Safety notes

### Before Flyign Your copter

#### **CAUTION** *Check for damaged parts and assembly*

Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.

Do not trim the copter's antenna. Trimming the antenna will affect radio range. It is mandatory to check all control systems and mechanical linkages for proper operation before every flight.



### ***Consider The Circumstances Of The Surrounding Area***

Select a flying field where there are not too much debris.

Do not fly the copter in strong winds, rain.

Do not fly near crowd, high voltage cables, railways to ensure the safety.



### ***Flyer***

Do not let children use the copter without adult supervision. Failure to do so could result in personal injury and/or property damage.

Do not let menstruating or pregnant women fly this copter

Do not fly under tired condition and improper operation may cause in danger.

If you are a novice pilot we strongly suggest that you should find an experienced pilot in R/C model to assist you. (Recommend you to practice with computer-based flight simulator.)

## ***While In Flight***

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### ***Keep Away From The Rotating Blades***

Do not touch the copter when the propellers were running, keep it away from other things to avoid danger and damage.

When operating, do not get too much close to the copter.

Operate the model within the limits of your ability. Operating the model improperly increase the risk of accidents or injury.

## ***After a Flight***

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### ***Conduct a thorough inspection***

Wipe away any dirt, or water.

Remove batteries if the copter is not used for a long period of time.

Maintain products with care. Keep the copter in a dry location. Do not expose it to prolonged moisture.

Generally, R/C models are mainly made up of PVC or polythene, please put it away from the heat source to avoid distortion and melting caused by high temperature.

## ***Batteries***

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Use only batteries of the type recommended and do not mix old and new batteries.

Do not incinerate batteries. Batteries may burst, causing personal injury and/or property damage.

Do not recharge non-rechargeable batteries.

Don't strike or throw the battery against any hard surface  
Don't immerse the battery in water, and keep the battery in a cool dry place  
Don't over-charge the battery  
Don't transport or store the battery together with metal object  
Never charge the battery for more than one hour  
Never leave charging battery unattended



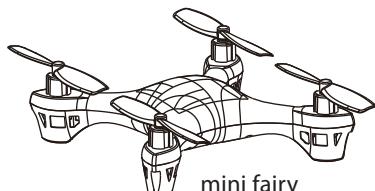
**Note:**

\*Always dispose of old batteries responsibly

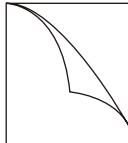
**⚠ WARNING**

The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

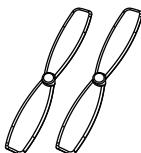
**Packing list**



mini fairy



user manual



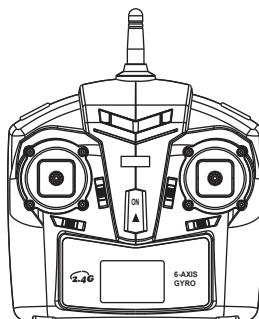
red propellers  
(1pair, cw and ccw)



Li-Po battery



USB cable



transmitter



black propellers  
(1pair, cw and ccw)

**Specifications**

Span: 149mm

Height: 31mm

Propeller: 55.5mm

Motor: Ø 7\*20mm coreless motor

Battery: 3.7V-250mAH Li-Po for mini fairy

4\*1.5V AA battery for transmitter (not included)

RC system: 2.4GHz 4CH radio control system

Flying Weight: Approx. 35g

Recharging time: Approx. 30 minutes (with fully discharged)

Flying time: Approx. 8 minutes (with fully charged)

Radio control range: over 200 meters

# Battery Installation & Charging

## Batteries installation

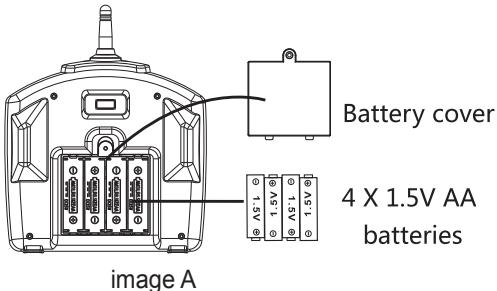


image A

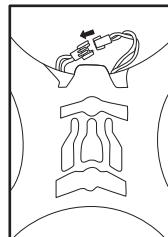


image B

1. Remove the battery cover on the back of the transmitter, insert 4 pieces of 1.5V AA battery (not included) according to indicated polarity, as shown image A.
2. After turning on the transmitter power, install the li-po battery to the fuselage and connect the battery to the copter.

## Charging with computer:

1. Connect the Li-Po battery to the USB Cable, then connect the USB cable to an computer USB port to charge the battery. If the indecator light on the USB cable stop flashing, it means the battery is being charged, and if the indecator light on the USB cable flash rapidly, it means the battery is fully charged.



## Charging with wall adaptor(Optional):

1. Also, you can charge the Li-Po battery with an optional wall adaptor as shown image.



**Battery charging should be done under adult supervision only!**

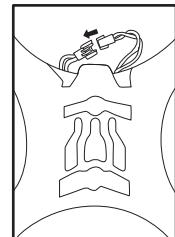
**Use only the included USB cable and wall charger(optional)with this product.**

**Never leave battery unattended while charging.**

## Preparing to fly

1. Put the throttle in the lowest position and turn on the transmitter.

2. Connect the li-po battery to your mini fairy as image shown, the indicator lights on the circuit board will flash rapidly, this indicate the receiver go into auto detection mode, place the copter at a level position.



3. Push the throttle to the highest position then put it back to the lowest position, a beep will sound from the transmitter and the indicator lights on the circuit board will stop flashing (LED ON) or flash about once per second(LED OFF), it means the mini fairy is ready to fly.

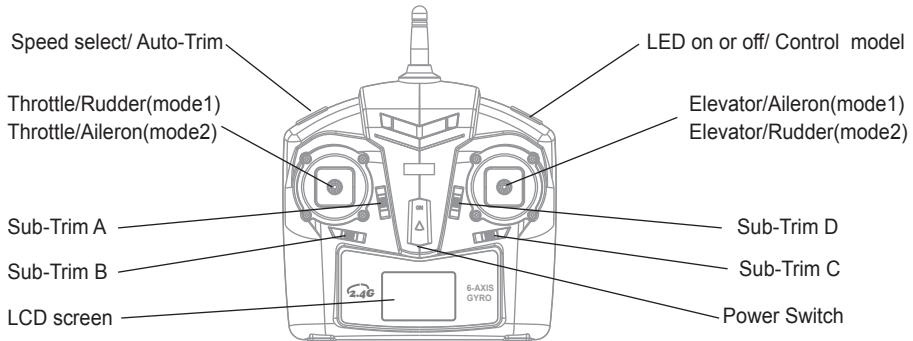
4. Push the throttle forward slowly, the copter will take off.

### WARNING

1. Keep small parts out of the reach of children to avoid choking hazard.
2. After flight, disconnect the li-po battery from the copter first, then turn off the transmitter.
3. Always turn off the power of the transmitter and the copter when not in use.

## Transmitter Functions

### Left Hand Throttle



1. The transmitter can be used in 2 modes (the pre-setting is mode 1)

Press and hold the Controls Mode switch until beep sounds to toggle between mode1 and mode 2.

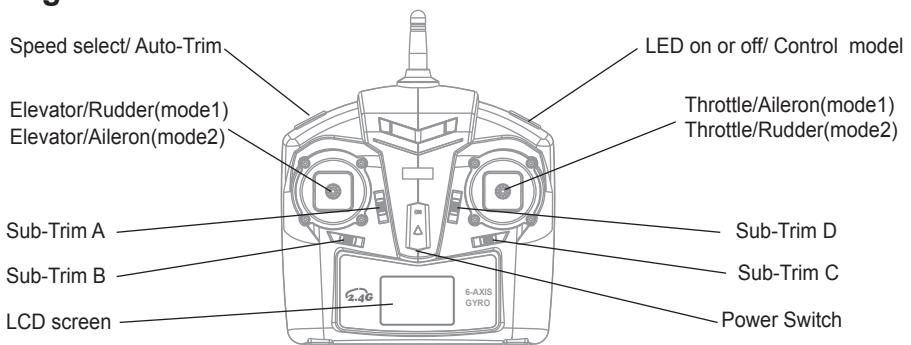
2. Action sensitivity selectable/Speed selectable

There are three different programmed speeds can be selected

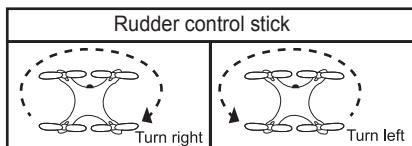
Toggle through these three speed settings using the Speed Selector button. Press to hear one beep for low speed ,two beeps for mid speed ,three beeps for high speed

3. Auto-Trim fuction: Turn on the transmitter while pushing the Auto-Trim button, all the Sub-trim will come to the center position.

## Right Hand Throttle



## Flying your mini fairy



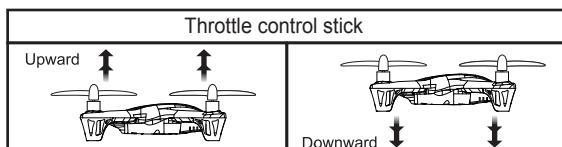
Push the rudder control stick to right

Push the rudder control stick to left



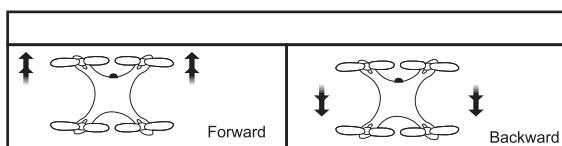
Push the aileron control stick to left

Push the aileron control stick to right



Push the throttle stick forward

Push the throttle stick downward

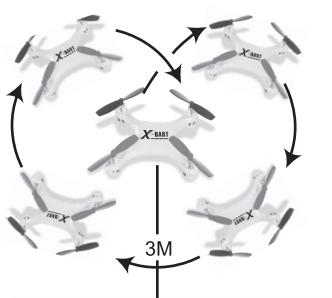


Push the Elevator stick forward

Push the Elevator stick downward

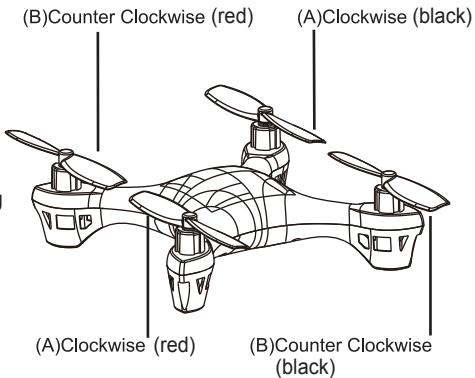
## Radical Flips & Rolls

Once you've mastered the basic control over the flying you can progress and start to do incredible flips & rolls. Using Speed Select, set to high-speed (signaled by 3 beeps). Fly the mini fairy at about 3 meters/9 feet and hover steadily, then with a quick push on the side flight direction stick, you can get the to complete radical flip maneuvers in any direction!



## Replacing Damaged Blades

Two of the nini fairy rotors turn clockwise in flight(A), and two turn counter clockwise(B). The spair parts includ 1pair red color rotors and 1 pair black rotors, same as black color rotors, one of the red color rotor turns clockwise and the other one turns counter clockwise. If one of the rotor blades is damaged, please replace with suitable type rotor(color and turning direction)



## Warnings:

### Warnings:

- The control distance will be reduced if the mini fairy or transmitter is not fully charged.
- If the mini fairy becomes damaged,please stop using it immediately.
- Remove all batteries from the transmitter when not using it for more than a few days.
- Do not touch the motor during or after flights ,as it will become hot.
- Make sure your surrounding area is free of all obstacles before flying.
- Not suitable for under 8 years old .Children should be accompanied by adults at all times.
- If replacement blades are to be attached to the mini fairy , care must be given to make sure they are put on the correct way round.
- Do not dispose of any part of this product in the normal rubbish bin. All parts should be taken to your local recycling centre.

### **CAUTION:**

- High speed propellers, never touch propeller when it is spinning.
- Adult supervision is highly recommended.
- Do not fly in strong wind.
- Do not fly near crowd, high voltage cables or trees

### **WARNING:**

**CHOKING HAZARD** - Small parts.  
Not for children under 3 years.

For ages 8 +



**MADE IN CHINA**